

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Frank L. Hall

Serial No.: 10/706,575

Filed: November 12, 2003

For: BALL GRID ARRAY SUBSTRATES
VIA USE OF A LASER (as amended)

Confirmation No.: 6661

Examiner: S. Heinrich

Group Art Unit: 1725

Attorney Docket No.: 2269-4718.1US
(00-0316.01/US)

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

August 30, 2006
Date

Signature

Leta M. Howard
Name (Type/Print)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of any cited foreign patents, publications, or pending unpublished U.S. applications are enclosed pursuant to 37 C.F.R. § 1.98(a)(2). The listed documents were cited by the Office in co-pending application Serial No. 10/791,190, filed on March 2, 2004, and directed to a related invention.

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicant herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US - 3,767,304	10/23/1973	Keenan et al.
US - 5,352,107	10/04/1994	Oh
US - 6,456,951	09/24/2002	Maeda et al.
US - 6,465,743	10/15/2002	Owens
US - 6,825,924	11/30/2004	Uda et al.

Foreign Patent Documents

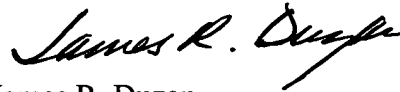
<u>Document No.</u>	<u>Publication Date</u>	<u>Patentee</u>
JP356133834A	10/21/1981	OKI Electric Ind Co Ltd
JP404113663A	04/15/1992	Ibiden Co Ltd
JP407176555A	07/14/1995	NEC Corp
JP410051151A	02/20/1998	Ibiden Co Ltd
JP02001030290A	02/06/2001	Nissha Printing Co Ltd

Applicant offers to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed after the mailing date of the first Office Action on the merits.

I hereby certify that no item of information contained in the Supplemental Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the statement, and therefore no fee is due.

Respectfully submitted,



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Date: August 30, 2006
JRD/aw:lmh

Enclosures: Form PTO-1449 or PTO/SB/08
Cited Non-U.S. Patent Documents

Document in ProLaw

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Substitute for form 1449A/PTC

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

1

Attorney Docket Number

Complete if Known

Application Number

10/706.575

Filing Date

November 12, 2003

First Named Inventor

Frank L. Hall

Group Art Unit

1725

Examiner Name

S. Heinrich

Attorney Docket Number

2269-4718.1US (00-0316.01/US)

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		JP356133834A	10/21/1981	OKI Electric Ind Co Ltd		X
		JP404113663A	04/15/1992	Ibiden Co Ltd		x
		JP407176555A	07/14/1995	NEC Corp		x
		JP410051151A	02/20/1998	Ibiden Co Ltd		x
		JP02001030290A	02/06/2001	Nissha Printing Co Ltd		x

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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